IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of
Oskar PAMMER et al.
Serial No.: 10/591,564
Filed: September 1, 2006
For: PROCESS FOR PRODUCING A RAW MIXTURE FOR SINTERING

Confirmation No.: 6227
Group Art Unit: 4162
Examiner: Colin W. Slifka

VIA EFS-WEB
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION

Sir:

I, the undersigned, Msc. Mayer Franz-Wolfgang state as follows:

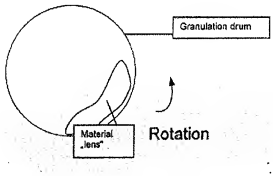
1. I am neither an inventor named in the above-identified application nor an employee of the Assignee of the above-identified application, VOEST-ALPINE Industrieanlagenbau GmbH & Co, nor an employee of any entity having any interest in the above-identified application.

2. My *curriculum vitae*, showing my qualifications to sign this Declaration, is attached hereto.

3. The addition of returned sintered material within a longitudinal extent of a granulation drum during the granulation of a mixture with at least the following components: (a) ore with a fines fraction, (b) at least one addition, and optionally (c) a binder, as claimed in independent claims 1 and 17 in the above-captioned application, produces a better granulation product than an addition of such returned sintered material to the mixture before the mixture enters the granulation drum would provide.

4. This is because during granulation, the granulation drum rotates and the returned sintered material meets a much larger surface of the mixture into which the returned sintered material is to be mixed than the returned sintered material would meet on a conveyor belt or other conveyance conveying the mixture to the granulation drum.

5. As shown in the schematic figure appearing below, due to the rotation of the granulation drum, a "lens" of material is formed, which has a surface larger than the same amount of material laying on a conveyor belt.



6. Furthermore, the surface which "embraces" the returned sintered material is constantly regenerated due to the rotational movement of the granulation drum and the resulting movement of the "lens."

7. Therefore, the returned sintered material, which serves as a "condensation site" during the granulation process, is more evenly worked into the mixture, which results in a better granulation product than the addition of the returned sintered material onto the conveyor belt or other conveyance which transports the mixture from a mixer to the granulation drum.

8. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: Jan / 28 / 2016

Name:

CURRICULUM VITAE

General information:

Family name:	MAYER MSc
Fore name:	FRANZ WOLFGANG
Sex:	**Male x Female** !
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Date of birth[1]:	16 02 1953
Place of birth:	LEOBEN
Nationality:	AUSTRIA
Marital status:	married

Dependants:

Category[2]	Birth year	Remarks
BRIGITTE MAYER	**30.08.1961**	SPOUSE
CHRISTOPH FRANZ MAYER	**12.09.1981**	CHILD
THOMAS MAYER	**05.08.1983**	CHILD

[1] Indicate at least the year
[2] Spouse, child, parent, etc.

University level education:

From	To	Institution[3]	Degree or diploma	Remarks
1971	1978	TECHNICAL UNIVERSITY Graz	MSc (Dipl.-Ing.)	MECHANICAL ENGINEERING, PROCESSING TECHNOLOGIES

Participation in professional organisations[4]:

Dates	Organisation	Role	Description of tasks	Remarks
1990	ECV Ges.m.b.H.	SCIENT. LEADER	RESEARCH & Developments for ENERGY and CHEMICAL PROCESSING TECHNOLOGIES	Laboratory for waste analytics
1992	AKKR. PRUFANSTALT	HEAD	CERT.ANALYSES acc.EN 45001	
19??	PUPLIC CONFIRMED EXPERT by COURT of JUSTICE in LEOBEN	JUDICIAL EXPERT	LEGAL ADVICES AIR POLLUTION PROTECT. INDUSTRIAL & HAZARDOUS WASTE	
1995	MINING UNIVERSITY LEOBEN	LECTURER	PROCESSING &INDUSTRIAL ENVIROMENTAL PROTECT.	slag, dust and suldges

Languages:[5]

Language	Read	Understand	Write	Speak	Remarks
GERMAN	5	5	5	5	
ENGLISH	4	4	4	4	
ITALIAN	2	2	1	1	

Computer literacy[6]:

Subjects	Programs	Version	Level of knowledge	Facilities	Remarks
Word processing	WORD for WINDOWS	Office XP	3	PC-PENTIUM LAN	
Data sheets	EXCEL	Office XP	3		
Databases	ACCESS	Office 97	3		

[3] Full name and place

[4] Give information on membership of professional or scientific organisations, committees and similar bodies relevant for the purpose of this CV.

[5] Quote by order of preference your work languages. Mark 0 to 5 your degree of knowledge for each language; 5 = mother tongue or similar, 4 = very good, 3 = good, 2 = poor but enough for communication, 1 = basic knowledge, 0 = not worth to consider

[6] Give details of the programmes you may use relevant for the purpose of the CV, your level of knowledge, and your own or accessible computer resources

Professional experience[7]**:**

From	To	Company or institution	Post	Description of the work performed	Remarks
1977	1978	WAAGNER BIRO	PROJECT ENGENIEER	DESIGN of VESSELS, POWER PLANTS, CHEMICAL APPARATUS	
1979	1987	VA LEOBEN	OFFICIAL EXPERT	RESEARCH&DEVELOPMENT of CHEMICAL and THERMAL PROCESSES for INDUSTRIAL WASTE	
1987	1990	VA STAHL LINZ	R&D LEADING EXPERT	WASTE HANDLING TECHNOLOGIES and ENVIRONMENTAL PROTECTION	
1989	cont.	TECHN. BUREAU priv.	PRINCIPAL	ENERGY & ENVIROMETAL MANAGEMENT	
1990	cont.	ARP LEOBEN	GEN. MANAGER	MINERAL PROCESSING R&D, ORE DRESING; GRINDING TECHNOLOGIES – AGGLOMERATION TECHNOLOGIES	Main profession http//www.arp.at
1990	cont.	ECV LEOBEN	GEN. MANAGER	R&D for CHEMIC. PROCESSING, GASIFICATION and COMBUSTION, HAZARDOUS, WASTE CONVERSION, WASTE PREPARATION, RECYCLING TECHNOLOGIES, METAL CONVERSION	
1992	cont.	STAATL. AKKR.PRÜFANSTALT	HEAD	Accred.: TEST LAB. acc EN 45001 MINERALS & WASTE PROPERTIES	
1993	cont.	IPA-ENTSORGUNGS OEG Leoben	TECHNICAL DIRECTOR	COLLECTING & RUNNING of HAZARDOUS WASTE PLANT	unique semi mobile plant in AUSTRIA
1994	cont.	EXPERTS BUREAU	PRINCIPAL	COURT SWORN CERTIF. EXPERT	
1995	2000	MONT. UNIV. LEOBEN	LECTURER	INSTITUT for PROCESS TECHNOLOGIES and IND. ENVIROMENTAL PROTECTION	
1996	cont.	ECSC	EXPERT	COAL CONVERSION	
1997	2004	ÖKOCERT	CERTIFICATED ENVIRONMENTAL SURVEYOR acc. EMAS	EXPERT JUDGEMENT of ENVIRONMENTAL MANAGEMENT SYSTEMS	
2001	cont.	MSU-ASPANGER MINERALMAHLUNG	TECHNICAL HEAD	ENGINEERING and MANAGEMENT of PLANT INVESTMENT and PRODUCTION OF SPECIAL GRINDED INDUSTRIAL MINERALS (MICA)	
2004	cont.	TÜV Bayern Austria	CERTIFICATED acc. ISO 14000	AUDITOR CO_2 MONITORING	
1995	cont	Austrian Court	Court certified expert	Machines,plants,technical equipement	

[7] Indicate the experience relevant for the purpose of this CV

Publications[8]:

Date	Kind[9]	Title	N° pages	Co-authors	Publisher	Abstract[10]
1977	Art.	Energy Cascading in Low Temperature Heating Systems	4		NUCLEAR TECHNOLOGY	Optimization of district heating systems by low feeding temperatures due to far supplying distances and energy increasing by heating pumps.
1985	Pap.	Austrian State Price for Energy Research			MINISTRY of SCIENCE	Awarded with the Austrian State Price of Energy Research by the Government
1991	book	Recycling and reutilization of steel making slag and sludge	40	Dr. Kos B. Dr. Kohlbacher	UNIDO	HandbookII, Modell steelworks;description of optimized material handling and specific pocess technologies
1991	book	Total system for the Collection, storage, slaking and reuse of lime	36	Dr. Kos B. Dr. Kohlbacher	UNIDO	Handbook III, Modell steel works;
1995	book	Environmental restoration study for NOVA HUT, Ostrava	189	Dr. Schörner G. Dr. Schönstein	Austrian Environmental Expert Gr AEEG	Fact finding,restoration verdict for the complete plant; esp.:caloric power plant coking plant; emmission control, energy balances
1997	ART	Asbestos Conversion Process	5	Dr. H. Kolb Msc. Pollak T.	R97 Recovery Recycling-Re-integration	The astbestos conversion process transforms hazardous asbestos fibres to inert products comparable to natural rock
1997	ART	Asbestos Conversion	8	Prof. A. Mayer	EMPA R97	Mechanical and thermal treatment for conversion of asbestos

[8] Indicate the publications relevant for the purpose of this CV.
[9] Book, article, etc.
[10] Give a very brief description of your work

		Process				material to melilite minerals
1998	report	Duration of loss of calorific value at the storage of lignite	28		GKB A.G.	Losses of calorific value during storage of lignite were investigated by theoretical calculations, laboratory test, in situ field analyses;
1999	study	Synergetic utilization of coal and waste by combined gasification at cementplant Retznei	222	MSc Pollak T.	Styrian Government Graz	Evaluation study about Cocombustion, Gasification of biological material and waste for cement production by lowering CO_2 emission.
2000	Study	Detection and monitoring of fine dust on mineralogical base	400	MSc Pollak T.	VA Inudustry and local Government	Development of new methods for the identification of fine-dust acc. to emitter
2004	Study	Reutilization of fly ashes from combined burning processes	158	MSc Herk P.	AVE Wels	Handling of fly ashes from combined combustion and slags from steel production by using plastics for co-reduction

SPECIAL PROJECTS

1979	Development of a process to inertize oil containing suldges
1980/82	Development and applications for patents on thermal treatment of biogenic waste, sludges and hazardous waste
1983/84	Process engenieering for desulphurisation of flue gas
1984/85	Investigation and processing for reutilization of communal sludges
1985/87	Basic development for enzymatical conversion of biogenic by-products. Thermal homogenizing of hospital waste
1988/89	Ore preparation and sintering processing for VA-steel plant projects in Venezuela and Iran
1990	Determination of process datas of the VA recycling plant for batteries and mignon baby cells. Development of a prozess for reutilization of hazardous filter dusts and sludges by vitrification
1991	Foundation of the private and independent research and development institute „ARP" for Recycling and waste material processing and environmental protection
1991	Participant of fact finding mission and environmental protection sessions for waste management in small industries and steel mills in South America (Argentina, Venezuela) and Thailand by UNIDO
1992/94	Pyrolyses of organic waste and vitrification of the slag. Production of puzzolanic material (cement) by reusing of waste. Expertises for waste deposits and landfill. Recycling of industrial waste for reuse in process (slags, sludges, dusts, chemical components
1994/96	Environmental studies and management systems in seral industrial fields, like: mining, steel production, industrial minerals, building industry, chemical industry, textil manufacturing
1996	Judical expertise for an hopsital waste incineration plant. Judical expertise for healting, safety- and environmental-analysis for an hazardous waste processing plant. Technology transfer, fact finding and recommendation of sustainable managment for hospital waste, municipal waste and hazardous industrial waste in Thailand, according following abstract:
1998	Engineering and installation of preparation and flotation plant for Aspanger Bergbau und Mineralwerke
2002/04	Agglomeration and calzination of ashes and industrial fine dust for reutilization and metal recovery
Cont.	R&D-consulting and joint work on field of ore dressing, agglomeration and metallurgical processing for different international projects together with VA and other industrial Engineering companies in Venezuela, Iran, Korea, India